

PLANOGRAPHIC PRINTING PLATE AND PRINTING METHOD

Patent number: JP9127683
Publication date: 1997-05-16
Inventor: TABAYASHI ISAO
Applicant: DAINIPPON INK & CHEM
Classification:
- international: G03F7/00; B41M1/06
- european:
Application number: JP19950283247 19951031
Priority number(s):

Abstract of JP9127683

PROBLEM TO BE SOLVED: To enable direct plate making according to signals from a computer, to obtain high resolution and high stability for deposition of an ink in an image part, and to decrease contamination in a nonimage part with an ink by forming a layer of specified self-water dispersible thermoplastic resin particles on the surface of a hydrophilic substrate.

SOLUTION: The layer of self water dispersible thermoplastic resin particles which can be changed into oleophilic by heat is formed on the surface of a hydrophilic substrate, preferably an aluminum plate. In this case, the resin for the self-water dispersible thermoplastic resin particles is not limited and the resin is preferably a copolymer containing a monomer unit selected from styrene, substituted styrene such as α -styrene, acrylates such as methylacrylate, 2-ethylhexyl acrylate, and methacrylates such as methylmethacrylate and 2-ethylhexyl methacrylate, and a monomer unit selected from acrylic acids and methacrylic acids.